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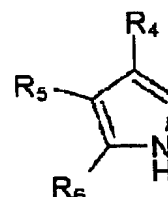
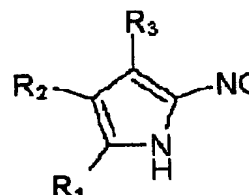
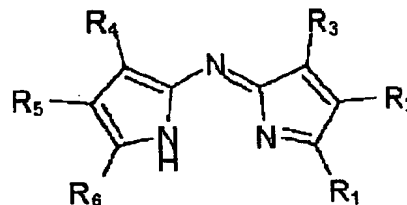
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TITLE : OPTICAL RECORDING MEDIUM



ABSTRACT : PROBLEM TO BE SOLVED: To obtain the subject medium allowing the recording and reproduction with a short-wavelength laser and suitable for high-density recording by including a metal chelate compound derived from a specific compound and a metal ion in a recording layer.

SOLUTION: The objective medium is produced by including an azapyrromethene metal chelate compound derived from an azapyrromethene compound of the formula I (R_1 to R_6 are each H, etc.), and a metal ion in a recording layer. The compound of the formula I can be produced by reacting a compound of the formula II with a compound of the formula III in acetic acid. An azapyrromethene metal chelate compound coordinated with the corresponding metal is produced e.g. by reacting the compound of the formula I with baron trifluoride, etc. The medium enables the recording and reproduction with a laser light having a wavelength of 520-690 nm and preferably has a reflectance of $\geq 30\%$ measured from the substrate side. The recording layer preferably has a refractive index of ≥ 2.0 and an extinction coefficient of 0.04-0.20 at the wavelength of the laser light.

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